

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/974,974

OICE 11 0378
0128
3/28/2002
CRF Processing Date: 3/28/2002
Edited by: [Signature]
Verified by: [Signature] (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING

DATE: 03/28/2002

PATENT APPLICATION: US/09/974,974

TIME: 17:49:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03282002\I974974.raw

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4 <110> APPLICANT: Kazunari TAIRA
5      Masashi WARASHINA
6      Tomoko WARASHINA
8 <120> TITLE OF INVENTION: Nucleic acid enzymes acquiring an activity for cleaving a
9      target RNA by recognizing another molecule
W--> 11 <130> FILE REFERENCE:
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/974,974
C--> 14 <141> CURRENT FILING DATE: 2002-03-14
16 <150> PRIOR APPLICATION NUMBER: JP 2000-313320
17 <151> PRIOR FILING DATE: 2000-10-13
19 <160> NUMBER OF SEQ ID NOS: 17
21 <170> SOFTWARE: PatentIn Ver. 2.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 32
25 <212> TYPE: RNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Description of Artificial Sequence: maxizyme-constituting RNA
molecule
31 <400> SEQUENCE: 1
32 gguccuggcc ugaugagagu gaugagcucu uc                               32
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 27
36 <212> TYPE: RNA
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Description of Artificial Sequence: maxizyme-constituting RNA
molecule
42 <400> SEQUENCE: 2
43 gucugacugu ucaucgaaac cgggucc                                     27
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 33
47 <212> TYPE: RNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Description of Artificial Sequence: maxizyme-constituting RNA
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53 <400> SEQUENCE: 3
54 gguccuggcc ugaugagagu uauugauggu cag                               33
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 29
58 <212> TYPE: RNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:

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62 <223> OTHER INFORMATION: Description of Artificial Sequence: maxizyme-constituting RNA molecule

64 <400> SEQUENCE: 4

RAW SEQUENCE LISTING

DATE: 03/28/2002

PATENT APPLICATION: US/09/974,974

TIME: 17:49:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03282002\I974974.raw

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65 gaagggcuuc uuucaucgaa accgggucc 29
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 88
69 <212> TYPE: RNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Description of Artificial Sequence: tRNAVal promoter sequence
75 <400> SEQUENCE: 5
76 accguugguu uccguagugu agugguuauac acguucgccu aacacgcgaa aggucccccgg 60
77 uucgaaaccg ggcacuacaa aaaccaac 88
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 33
81 <212> TYPE: RNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Artificial Sequence: ribozyme
87 <220> FEATURE:
88 <223> OTHER INFORMATION: n is a, c, g or u.
90 <400> SEQUENCE: 6
W--> 91 nnnnncugau gaggccgaaa ggccgaaann nnn 33
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 24
95 <212> TYPE: RNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Artificial Sequence: left side sequence
100 of maxizyme
102 <400> SEQUENCE: 7
103 cgaugaccug augagcgaaa cggc 24
105 <210> SEQ ID NO: 8
106 <211> LENGTH: 24
107 <212> TYPE: RNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Description of Artificial Sequence: right side sequence
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115 cggggcugau gagcgaaaacg uucc 24
117 <210> SEQ ID NO: 9
118 <211> LENGTH: 13
119 <212> TYPE: RNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: substrate
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128 <210> SEQ ID NO: 10
129 <211> LENGTH: 11
130 <212> TYPE: RNA

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/974,974

DATE: 03/28/2002
 TIME: 17:49:45

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF3\03282002\I974974.raw

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131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: substrate
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139 <210> SEQ ID NO: 11
140 <211> LENGTH: 15
141 <212> TYPE: RNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence: substrate
147 <400> SEQUENCE: 11
148 ggaacgucgu cgucg                           15
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151 <211> LENGTH: 40
152 <212> TYPE: RNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: wild type ribozyme
158 <400> SEQUENCE: 12
159 gguccuggcc ugaugaggcc gaaaggccga aaccgggucc 40
161 <210> SEQ ID NO: 13
162 <211> LENGTH: 19
163 <212> TYPE: RNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence: part of bcl-2 mRNA as
168     a substrate
170 <400> SEQUENCE: 13
171 ggaccggucc gccaggacc                       19
173 <210> SEQ ID NO: 14
174 <211> LENGTH: 25
175 <212> TYPE: RNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: part of HIV tat mRNA
181 <400> SEQUENCE: 14
182 gaagagcuca ucagaacagu cagac                25
184 <210> SEQ ID NO: 15
185 <211> LENGTH: 28
186 <212> TYPE: RNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Description of Artificial Sequence: part of BCR-ABL mRNA
192 <400> SEQUENCE: 15
193 cugaccauca auaaggaaga agcccuuc            28
195 <210> SEQ ID NO: 16
196 <211> LENGTH: 20
197 <212> TYPE: RNA

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RAW SEQUENCE LISTING

DATE: 03/28/2002

PATENT APPLICATION: US/09/974,974

TIME: 17:49:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03282002\I974974.raw

198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence: part of normal ABL mRNA
203 <400> SEQUENCE: 16
204 uuaucuggaa gaagcccuuc 20
206 <210> SEQ ID NO: 17
207 <211> LENGTH: 138
208 <212> TYPE: RNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: tRNAVal T-MzL
214 <400> SEQUENCE: 17
215 accguugguu uccguagugu agugguuauc acguucgccu aacacgcgaa aggucccccgg 60
216 uucgaaaccg ggcacuacaa aaaccaacuu ugucugacug uucaucgaaa ccggguccgg 120
217 uacccccggau aucuuuuu 138

VERIFICATION SUMMARY

DATE: 03/28/2002

PATENT APPLICATION: US/09/974,974

TIME: 17:49:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03282002\I974974.raw

L:11 M:201 W: Mandatory field data missing, FILE REFERENCE
L:13 M:270 C: Current Application Number differs, Replaced Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:91 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:6
L:91 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6



OIPE

RAW SEQUENCE LISTING

DATE: 03/25/2002

PATENT APPLICATION: US/09/974,974

TIME: 15:07:38

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\03252002\I974974.raw

4 <110> APPLICANT: Kazunari TAIRA
 5 Masashi WARASHINA
 6 Tomoko WARASHINA
 8 <120> TITLE OF INVENTION: Nucleic acid enzymes acquiring an activity for cleaving a
 9 target RNA by recognizing another molecule
 W--> 11 <130> FILE REFERENCE:
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/974,974
 C--> 14 <141> CURRENT FILING DATE: 2002-03-14
 16 <150> PRIOR APPLICATION NUMBER: JP 2000-313320
 17 <151> PRIOR FILING DATE: 2000-10-13
 19 <160> NUMBER OF SEQ ID NOS: 17
 21 <170> SOFTWARE: PatentIn Ver. 2.0

ERRORED SEQUENCES

206 <210> SEQ ID NO: 17
 207 <211> LENGTH: 138
 208 <212> TYPE: RNA
 209 <213> ORGANISM: Artificial Sequence
 211 <220> FEATURE:
 212 <223> OTHER INFORMATION: Description of Artificial Sequence: tRNAVal T-MzL
 214 <400> SEQUENCE: 17
 215 accguugguu uccguagugu agugguuauc acguucgccu aacacgcgaa aggucccccgg 60
 216 uucgaaaccg ggcacuacaa aaaccaacuu ugucugacug uucaucgaaa ccggguccgg 120
 217 uaccccggauc aucuuuuuu 138
 E--> 220 3/8

VERIFICATION SUMMARY

DATE: 03/25/2002

PATENT APPLICATION: US/09/974,974

TIME: 15:07:39

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\03252002\I974974.raw

L:11 M:201 W: Mandatory field data missing, FILE REFERENCE
L:13 M:270 C: Current Application Number differs, Replaced Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:91 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:6
L:91 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:220 M:254 E: No. of Bases conflict, LENGTH:Input:8 Counted:139 SEQ:17
L:220 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2
L:220 M:252 E: No. of Seq. differs, <211>LENGTH:Input:138 Found:139 SEQ:17